WHAT IS CLAIMED IS:

1. A connection cap comprising:

an insulative cap body for receiving conductors of a wire provided with a back wall and an opening at respective opposite ends thereof;

an electrically-conductive conductor connection member which is provided within the cap body and is adapted to be connected to the conductors when the cap body is compressed radially in a state the conductors are received in the cap body; and

an electrically-conductive resin material which is filled in a back wall-side portion of the cap body, and is extruded toward the opening to penetrate into interstices between the conductors when the cap body is compressed.

2. The connection cap according to claim 1, wherein the cap body is made of a polyamide resin material.

3. The connection cap according to claim 1, wherein the electrically-conductive resin material includes a thermosetting resin material comprising an epoxy resin as a base component, electrically-conductive particles and curing agent.

4. The connection cap according to claim 1, wherein the cap

body is made of transparent or translucent material.

5. The connection cap according to claim 1, wherein the electrically-conductive resin material has the viscosity of 3 to 30 Pa·s.

6. A method of processing a wire including conductors using a connection cap including an insulative cap body for receiving conductors provided with a back wall and an opening at respective opposite ends thereof; an electrically-conductive conductor connection member which is provided within the cap body; and an electrically-conductive resin material which is filled in a back wall-side portion of the cap body, the method comprising the steps of:

inserting the conductors into the cap body; and

compressing the cap body by a rotary waging machine so that the conductor connection member is retained to the cap body and is pressed fastened to the conductors, whereby the conductors are connected to the connection cap.

7. The method according to claim 6, wherein the connection cap is compressed while the connection cap is gradually inserted between opposed dies of the rotary swaging machine, with a distal end thereof first introduced therebetween.

8. The method according to claim 7, wherein

the dies include, at opening-sides, tapering approach portions, respectively, and

the connection cap is inserted between the dies while being guided by the approach portions.